



**Part Number :** [781201007](#)

**Product Description :** Slim-Grid Receptacle, 10 Circuits, Surface Mount, Vertical, 0.05µm Gold (Au) Plated, Tube, Lead-Free

**Series Number :** 78120

**Status :** Active

**Product Category :** Board-to-Board Connectors



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## Documents & Resources

### Drawings

[781201007 sd.pdf](#)

[781200001-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)


### Specifications

[781200001-000.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

### [Compliance Statements](#)

- EU RoHS

- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

Status	Active
Category	Board-to-Board Connectors
Series	78120
Description	Slim-Grid Receptacle, 10 Circuits, Surface Mount, Vertical, 0.05µm Gold (Au) Plated, Tube, Lead-Free
Application	Board-to-Board, Signal
Comments	4.3 Amps per Pole with only 1 contact powered up; 1.4 Amps per Pole with max contacts powered up
Component Type	PCB Receptacle
Product Name	Slim-Grid
UPC	889056864930

### Agency

CSA	LR19980
UL	E29179

### Electrical

Current - Maximum per Contact	1.4A
Voltage - Maximum	125V AC

## Physical

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.145/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.051µm
Plating min - Termination	2.540µm
Polarized to Mating Part	No
Polarized to PCB	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount
Unmated Height	4.51mm

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Slim-Grid Vertical Surface Mount	<u>200989</u>

Headers	
Slim-Grid Right-Angle Through Hole Headers	<u>201021</u>
Slim-Grid Vertical Through Hole Headers	<u>201022</u>
Slim-Grid Right-Angle Surface Mount Headers	<u>201173</u>
Slim-Grid Vertical Surface Mount Headers	<u>87933</u>